

## Product Datasheet

### Isotherm3G DNA Polymerase 8701

**Product Name** Isotherm3G DNA Polymerase

**Catalog Number** #8701

**Description** Isotherm3G DNA Polymerase is a mesophilic DNA polymerase, which synthesizes DNA from both DNA and RNA templates with a high strand displacement activity allowing simplified one-enzyme RT-LAMP reactions. It exhibits 5' to 3' polymerase activity but lacks any exonuclease activity. The product components have been optimized and are perfectly suited for loop-mediated isothermal amplification (LAMP) with optimal reaction temperature at 65°C.

Isotherm3G DNA Polymerase utilizes an aptamer-based warm-start feature to prevent false amplification at low temperatures. For more information, please contact us.

The product is available also in bulk quantities with custom fillings and can be produced customized for example in a lyo-ready formulation.

For more information, please check :  
**Isotherm3G DNA Polymerase**

**Tested Applications** Isothermal

**Brand** myPOLS Biotec

**Storage** -20°C

**Content** 1 600 U: 8U/μl, 1x 200μl Isotherm3G DNA Polymerase; 1x 1ml 10x Isotherm3G reaction buffer

8 000 U: 8U/μl, 1x 1ml Isotherm3G DNA Polymerase; 3x 1ml 10x Isotherm3G reaction buffer